



PORT METRO
vancouver

Air Action Program

Presentation to the BC
Clean Air Action Forum
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Environmental Programs
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Air Action Program

- Future: Sustainable Growth
- Port Metro Vancouver is committed to reducing port-related contributions to air quality and climate change and achieve *co-benefits* wherever possible to ensure both goals are met



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portmetrovancover.com

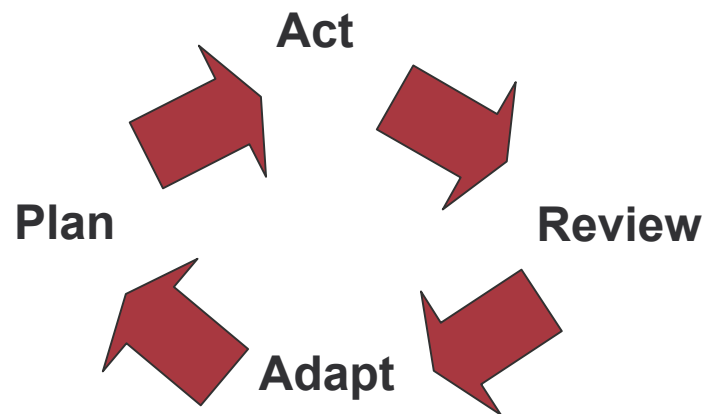
Air Action Program

- Four areas of focus:
 - Data baseline and progress tracking
 - Improving operational efficiency
 - Technological innovation and cooperation
 - Bridging regulatory change

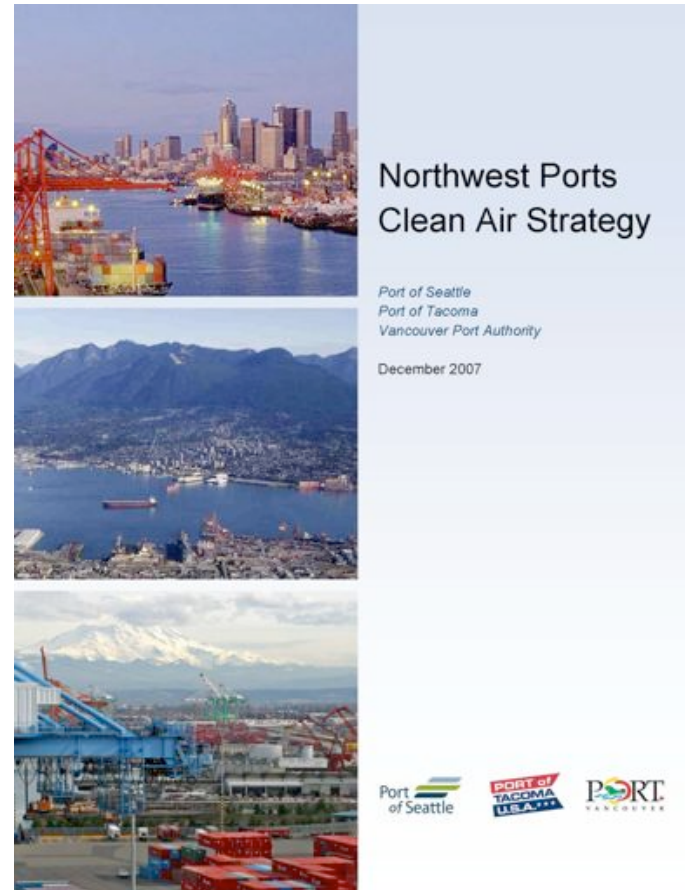
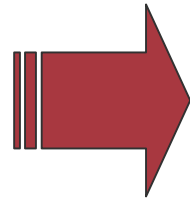
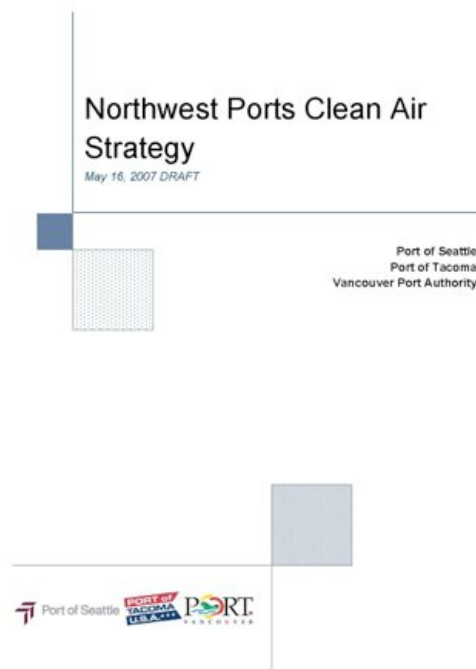


Data Baseline and Progress Tracking

- Ocean going vessel emission inventory led by BC Chamber of Shipping
- Lower Mainland Port Land-Based Emission inventory-CHE, trucks and rail
- Provide benchmark of emissions in 2005
- Track progress towards reducing emissions into future



Northwest Ports Clean Air Strategy



Scope of Strategy

- Goals and objectives:
 - Reduce maritime and port-related air quality impacts on human health, the environment and the economy
 - Reduce contribution to climate change through co-benefits associated with reducing air quality impacts
 - Help the Georgia Basin-Puget Sound airshed continue to meet air quality standards and objectives
- *Voluntary* participation by stakeholders
- Performance Targets for 2010 and 2015



Strategy Sectors: Port as Lead

- Ocean going vessels
- Cargo handling equipment
- Trucks and vehicles
- Port administration



Strategy Sectors-Government as Lead

- Harbour vessels
- Rail



Technology, Operations and Regulation

- Shore Power-Canada Place cruise terminal
- Differentiated Harbour Dues Program
- Container Truck Licensing System



- Hybridization-CHE, locomotives, pool vehicles
- Engine Optimization-locomotives
- Idle reduction-technology and education
- Biodiesel-CHE and trucks
- Hydrogen-Port security truck

Ocean Going Vessels

- Implemented Differentiated Harbour Dues Program April 1, 2007
 - Gold, Silver and Bronze categories - incentives and recognition for ships using cleaner (lower sulphur) fuels and technologies



Truck Licencing System (TLS)

Existing Environmental Requirements

	April 1, 2008	April 1, 2009
Age	<ul style="list-style-type: none"> •Trucks 1988 and older no longer allowed without approved age exception 	<ul style="list-style-type: none"> •Trucks 1993 and older no longer allowed without approved age exception
Opacity	<ul style="list-style-type: none"> •1993 and older trucks must be tested and pass existing ACOR opacity •55% for 1990 and older •40% for 1991 and newer •One year exemption for $\leq 10\%$ opacity 	<ul style="list-style-type: none"> •All trucks must be tested and pass 20% •One year exemption for $\leq 10\%$ opacity
Idling	<ul style="list-style-type: none"> •No more than 3 consecutive minutes in any 60 minute period 	<ul style="list-style-type: none"> •No more than 3 consecutive minutes in any 60 minute period
Awareness Program	<ul style="list-style-type: none"> •Mandatory PDF review 	<ul style="list-style-type: none"> •Mandatory PDF review





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Thank You

